

**SECRET****PRIORITY****1**

1968 MAR 13 04 04Z

Declassification Review by NGA

OUT 64575

P 130351Z MAR 68

FM NPIC WASHDC

TO DIA

BT

SECRET CITE NPIC 3227.

REF: S-0134-XX-2, 23 FEBRUARY 1968

SUBJ: EVALUATION OF MISSION BU Q00623 FLOWN 3 SEPTEMBER 1967.

1. THIS MISSION EMPLOYED CAMERA NUMBER 25 IN VEHICLE NUMBER H-21. PROCESSING WAS ACCOMPLISHED BY THE 7TH AIR FORCE.

2. EVALUATION OF ORIGINAL NEGATIVE:

A. EXPOSURE/RESOLUTION: THE DENSITY RANGES FROM GOOD TO UNDEREXPOSED AND THE RESOLUTION VARIES FROM GOOD TO POOR. IMAGERY AT THE LEADING (TAKE-UP) END OF ALL FRAMES IS LOW IN CONTRAST AND APPEARS UNDEREXPOSED. THE TRAILING (SUPPLY) ENDS OF THE VERTICAL FRAMES CONTAIN IMAGERY OF GOOD CONTRAST AND EXPOSURE. THE OBLIQUE POSITION FRAMES SHOW THIS SAME TENDENCY BUT THE AREA OF DEGRADATION IS GREATER AND MORE SEVER. THIS ANOMALY IS READILY DETECTABLE BY NOTING THE RESOLUTION, CONTRAST AND APPARENT EXPOSURE IN AN AREA OF CULTURAL IMAGERY AT THE LEADING EDGE OF A FORMAT AND THEN OBSERVING THE SAME AREA AS IT CHANGES LOCATION IN A SUBSEQUENT FORMAT DUE TO FORWARD MOTION OF THE VEHICLE. A GOOD EXAMPLE CAN BE FOUND ON FRAMES 593, 597, AND 601. ABOUT 40 TO 50 PERCENT OF THE IMAGERY IS DEGRADED ON ALL FRAMES THROUGHOUT THE MISSION. THE APPEARANCE SUGGESTS A VEILING DUE TO CONDENSATION, ICE OR OTHER FOREIGN MATTER ON PORTIONS OF THE WINDOWS.

B. CAMERA OPERATION: A SERIES OF PLUS AND MINUS DENSITY STREAKS ORIENTED PARALLEL TO THE DIRECTION OF SLIT TRAVEL ARE PRESENT THROUGHOUT THE MISSION. IT IS POSSIBLE SUCH STREAKS MAY BE CAUSED BY AN UNEVENNESS OF THE SLIT EDGE. MINOR BANDING PARALLEL TO THE MINOR AXIS OF THE FILM APPEARS AT THE LEADING END OF ALL FRAMES. SUCH BANDING USUALLY INDICATES ERRATIC SLIT TRAVEL. THIS ANOMALY ALSO APPEARS OCCASIONALLY IN OTHER PORTIONS OF THE FRAME BUT NO PATTERN OF REPETITION WAS DETECTED.

C. OTHER DEGRADATIONS: MINOR EMULSION SCRATCHES, LIFTS AND DIGS APPEAR RANDOMLY THROUGHOUT THE MISSION.

D. THE LAST TITLED FRAME IN THE MISSION IS 1224.

3. EVALUATION OF DUPLICATE POSITIVE:

A. A BAND OF MINUS DENSITY APPROXIMATELY ONE INCH WIDE AND LOCATED THREE INCHES FROM THE DATA BLOCK EDGE OF THE FILM PARALLELS THE FILM EDGE (INCLUDING AREAS BETWEEN FRAMES) THROUGHOUT PART ONE OF THE DUPLICATE POSITIVES. PRINTING AND PROCESSING ARE OTHERWISE SATISFACTORY.

B. PI SUITABILITY IS GOOD TO POOR DUE TO THE VEILED CONDITION OF THE IMAGERY.

C. CLOUDS DEGRADE OR OBSCURE APPROXIMATELY 30 PERCENT OF THE ENTIRE MISSION.

GP-1

SECRET

END OF MESSAGE

**SECRET**

DISTRIBUTION		
Cy No.	Office	Action
1	File	
2	Cable Sec.	
	PP&B	
	Security 25X1	
	TSSG	
	PSG	
	ISG	
	IS	
	DIAG-4	
	25X1	

Advance Copy  
Sanitized  
With Text

**1**

Excluded from automatic  
downgrading and  
declassification